

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** An optical system for forming a real image from source light from a source, comprising:
 - (a) at least one converging element for converging a portion of the source light so as to form the real image when the optical system is in use; and
 - (b) a broadband reflector-polarizer located in an optical path between said at least one converging element and the real image and opposite the source when the optical system is in use;wherein said at least one converging element comprises said broadband reflector-polarizer in a cylindrical configuration.
2. **(Original)** An optical system according to claim 1, further comprising a circular polarizer located in said optical path between the source and said broadband polarizer when the optical system is in use.
3. **(Currently Amended)** An optical system according to claim ~~28~~2, wherein said circular polarizer comprises a linear polarizer and a quarter wave retarder.
4. **(Currently Amended)** An optical system according to claim 3, wherein said broadband reflector-polarizer has a first bandwidth response and said first-quarter wave retarder has a second bandwidth response that is substantially matched to said first bandwidth of said broadband reflector-polarizer.
5. **(Original)** An optical system according to claim 3, wherein said quarter wave retarder comprises liquid crystal polymers.
6. **(Currently Amended)** An optical system according to claim ~~26~~1, further comprising a beamsplitter located in said optical path between the source and the real image when the system is in use.

7. **(Original)** An optical system according to claim 1, further comprising a direct-view light extinguisher located in said optical path between said broadband reflector-polarizer and the real image when the optical system is in use.

Claims 8-12: **(Canceled)**

13. **(Currently Amended)** An optical system according to claim ~~26~~1, wherein said broadband reflector-polarizer comprises a cholesteric liquid crystal structure.

14. **(Currently Amended)** An optical system according to claim ~~26~~1, wherein said broadband reflector-polarizer has a transmissive/reflectance efficiency of at least 60%.

15. **(Original)** An optical system according to claim 14, wherein said transmissive/reflectance efficiency is at least 90%.

16. **(Currently Amended)** An optical system according to claim ~~26~~1, further comprising a wide view film located in said optical path between said broadband reflector-polarizer and the real image when the optical system is in use.

Claims 17-28: **(Canceled)**

29. **(New)** An optical system according to claim 6, wherein said beamsplitter has a cylindrical configuration.

30. **(New)** An optical system according to claim 29, wherein said at least one converging element has a first axis of curvature and said beamsplitter has a second axis of curvature orthogonal to said first axis of curvature.